

LISTING OF CLAIMS READABLE UPON ELECTED SPECIES

Claim 1 (previously presented):

A multi-imager camera operable under extremes of illuminations from high ambient lighting conditions to low ambient lighting conditions without the need for multiple optical paths, comprising:

- a. a single primary lens system for directing a beam;
- b. a beam-splitting mirror adapted for receiving and distributing the beam directed by the single lens;
- c. the beam-splitting mirror including a surface for dual-path diverting capability, wherein a first portion of the directed beam is diverted in one direction and a second portion of the directed beam is diverted in a second direction;
- d. the surface of the beam-splitting mirror is entirely partially-reflective and entirely partially-transmissive for creating different intensities of the beam;
- e. a first image sensor for receiving the first portion of the directed beam;
and
- f. a second image sensor for receiving the second portion of the directed beam.

Claim 2 (original):

The camera of claim 1, further comprising an image intensifier associated with one of the sensors for intensifying the image under low ambient lighting conditions.

Claim 3 (original):

The camera of claim 1, wherein the first diverted beam is a high ambient lighting beam and the second diverted beam is a low ambient lighting beam.

Claim 4 (original):

The camera of claim 1, wherein each image sensor is a digital image device.

Claim 5 (original):

The camera of claim 1, wherein at least one image sensor is a digital image device.

Claim 6 (original):

The camera of claim 1, further including a singled data bus for transmitting the data collected and processed by the image sensors and further including selection means for enabling and disabling alternative of the sensors in order to assure only one image sensor is transmitting data on the bus at any time.

Claim 7 (original):

The camera of claim 6, wherein each image sensor includes an iris and further including a controller for selectively activating and deactivating each iris.

Claim 8 (original):

The camera of claim 6, wherein each image sensor includes an iris and further including a controller for increasing the dynamic range of each sensor through selective iris control.

Claim 9 (original):

The camera of claim 7, wherein the iris controller comprises an iris driver and an iris actuator.

Claim 10 (original):

The camera of claim 8, wherein the iris controller comprises an iris driver and an iris actuator.

Claim 11 (original):

The camera of claim 1, wherein the first sensor is a color sensor and wherein the second sensor is a monochrome sensor.

Claim 12 (original):

The camera of claim 11, further including an image intensifier positioned between the mirror and the monochrome sensor.

Claim 13 (original):

The camera of claim 12, further including a relay lens positioned between the image intensifier and the monochrome sensor.

Claim 21 (original):

The camera of claim 1, further including a display device associated with the image sensors for displaying the output therefrom.

Claim 22 (original):

The camera of claim 21, wherein the display device is a viewfinder.

Claim 23 (previously presented):

The camera of claim 22, wherein the camera is housed in a single, handheld, portable unit.

Claim 24 (previously presented):

A camera, comprising:

a single lens system adapted to direct a beam;

a beam-splitting mirror adapted to receive and distribute the directed beam;

the beam-splitting mirror including a surface for dual-path diverting capability, wherein a first portion of the directed beam is diverted in one direction and a second portion of the directed beam is diverted in a second direction;

the surface of the beam-splitting mirror is entirely partially-reflective and entirely partially-transmissive for creating different intensities of the beam;

a first image sensor adapted to receive the first portion of the distributed beam;

a second image sensor adapted to receive the second portion of the distributed beam; and

a switch adapted to select an output from at least one of the image sensors.

Claim 43 (previously presented):

A module, comprising:

a single lens system adapted to direct a beam;

a beam-splitting mirror adapted to receive and distribute the directed beam;

a first image sensor adapted to receive a first portion of the distributed beam, whereby the first portion of the distributed beam is a high ambient lighting beam; and

a second image sensor adapted to receive a second portion of the distributed beam, whereby the second portion of the distributed beam is a low ambient lighting beam.